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MIT Cambridge Massachusetts

Friday, October 27, 1978

@ 1978 The Tech

Cloudy this morning but clearing later in the day. Highs in the upper fifties. Cool tonight with lows in the low forties. Mostly sunny and cool Saturday with brisk westerly winds and highs in the low sixties. Cool again Saturday night with lows in the forties. A pleasant day for Sunday with temperatures mostly in the six-

Rain probability 50 per cent this morning, 20 per cent tonight, 10 per cent Saturday and 30 per cent Sunday.

Article XXVII Passed by Congress Dec. 25,

Ratified Dec. 25, 1984

Sec. 1. The First through Tenth Articles of amendment shall not apply to all persons who are homosexuals, Communists, atheists, or believers in paganism; nor to any persons who refuse to take an oath of allegiance to the New Testament of the Holy Bible and to Our Lord and Savior Jesus Christ.

Sec. 2. Congress shall have the power to enforce this Article by appropriate legislation.

Can it happen here? Consider:

During the Anita Bryant campaign, a Bryant acolyte admitted reluctantly to a New Times reporter that homosexuals have a right to exist — "as long as they stay in the closet." - Last month the National Association of Religious Broadcasters started toorganize a massive mail-andphone campaign to purge network television of any material they don't happen to like. According to Newsweek, the campaign will include an attempt to organize the nation's Christians into a massive pressure group.

- In a chilling letter to Time magazine, the editor of Christianity Today said that the American evangelical movement must "change" major American institutions (he specifically mentioned universities) which "go their own way without significant repentance or alteration." And in a similar letter to the Daily last year, a born-again asked very un-rhetorically: "Is it wise to see the separation of church and state as an absolute?"

Today's Christians, in short, could very possibly become tomorrow's dictators.

> - Pan Demetrakakes The Stanford Daily

USAF art draws sharp reaction

By Gary Engelson and Ron Newman

An ROTC-sponsored exhibit of "Air Force Art" was removed from Lobby 7 late yesterday afternoon after over a hundred demonstrators draped the exhibit with banners covered with antiwar statements and drawings. Citing "the risk that one or more of the 34 paintings in the exhibit might be irreparably damaged." the Air Force decided to call off the exhibit's scheduled three day run. (See box at right)

The exhibit, consisting of paintings of Air Force activities around the world, is part of an Air Force collection of over 4,300 paintings, most of which are exhibited at the Wright-Patterson Air Force Base aerospace museum in Dayton, Ohio.

The non-violent protest, which did not damage the exhibited works, began around 3:30pm when about five architecture stu-



Demonstrators in Lobby 7 prepare to hang a protest banner from the pillars. (Photo by Gary S. Engleson)

dents from studios near Lobby 7 began circulating petitions against "the use of major MIT public spaces for an exhibit strongly representing an advertisement for military purposes." Shortly thereafter, more students appeared with a roll of brown wrapping paper, as well as markers, paint, and ink.

"We object to the use of MIT public spaces for thinly disguised military purposes," explained Frank Miller G, one of the students circulating the petition. Miller described the ensuing demonstration as "spontaneous," an "attempt to encourage dialogue, and avoid other than verbal confrontations. We neither impaired the view of the paintings, nor damaged the structure," he added.

Yesterday's protest was notable for the total lack of chanted slogans, picket signs, leaflets, and other paraphenalia usually associated with organized demonstrations. Protestors mixed freely with passersby, defenders of the exhibit, and spectators, making an accurate count of the demonstrators difficult. The main activity of the protest was the painting of personal statements such as "Rockets are not romantic", "Is this the best we do with what we know? I hope not!", and "Where is the art in romanite images of destruction?" on the unrolled brown paper.

The demonstration precipitated several debates in the lobby over whether the exhibit constituted a "recruitment advertisement" or was simply "art." Major Steve L. Orten, Assistant Professor of Aerospace Studies (Air Force ROTC) at MIT, described it as "an art exhibit on tour throughout the United States commemorating the 75th anniversary of powered flight. ... If it



Protesters wrapped banners around the bases of all the displays of the Air Force art exhibit in Lobby 7. (Photo by Gary S. Engleson) was a recruiting device we'd be My Lai massacre. there with a table." Miller, on the other hand, pointed out that "there are so many Air Force logos and names that you can't come away from it without the feeling that you've been 'approached' by the Air Force." Miller also criticized the show for "romanticizing aircraft which are typically used in warfare."

Several people passing through the lobby objected to the demonstration. One Air Force ROTC cadet complained, "I was quite upset with the defacing of the exhibit in Lobby 7 and 1 think there is a much better way to express their [the protesters] views than putting up signs all over the exhibit." The signs interfered with a person's right to view what he wishes, the cadet claimed. He added that petitions are acceptable as a form of protest.

That cadet and other people who objected to the protest made several abortive attempts to remove the banners from around the base of the exhibit. But the banners remained up even as Air Force ROTC cadets began taking down the exhibit itself. One demonstrator began putting up pictures of bombed cities and the

The petition, which will be delivered to the Lobby 7 Committee, the Dean for Student Affairs, and the President of MIT, was signed by 237 people, including several faculty members.

The U. S. Air Force has elected to terminate prematurely the exhibition of the Air Force Art Collection in the Lobby of Building 7 because of the risk that one or more of the 34 paintings in the exhibit might be irreparably damaged. I regret that the Institute could not give the Air Force assurance that the paintings could be adequately protected against possible damage. The Lobby, under the best of circumstances, is far from ideal as a place to exhibit valuable works of art. Unfortunately, both Hayden Gallery and Compton Gallery were committed at the time the Air Force exhibit was available. The Air Force was concerned that tensions generated by the protest against the exhibit Thursday afternoon might possibly lead to some individual act of vandalism or accidental defacement. The Institute understands the Air Force decision and regrets its necessity.

John M. Wynne Chairman, Lobby 7 Committee October 26, 1978

By Joel West

Oil spills and tanker pollution regulation were debated at the seventh Annual Sea Grant Lecture and Symposium held last Tuesday. Each of the five members of the panel had a slightly different perspective on the question of environmental quality vs. economical tanker operation.

Lecturer Erling Naess led off the program with a 30-minute prepared speech heavily laced with dates and figures. Naess, representing the independent tanker owners, observed that oil spills were an unavoidable consequence of man's dependence on petroleum. The assertion that oil spills could only be reduced, but not eliminated, was one of the few points that all five panelists agreed on. Naess also argued that the marine environment was "largely unharmed" by these oil spills, and placed much of the blame for such spills on shore navigational aids and personnel.

Naess cited a statistic which was later touched on by each of the subsequent speakers: 80 percent of the hydrocarbon discharge by tankers occurs during day-today operations, while only 20 percent is due to the "photogenic" oil spills. Naess than gave various

technical solutions to the problem, including crude oil washing (COW) and separate ballast tanks (SBT). Under the COW method, crude oil is used to clean sludge from storage tanks after the cargo is unloaded. The SBT proposal makes use of different tanks for oil transport and for ballast water on the return trip. Current procedures involve the use of sea water as wash water and ballast. When introduced



Sea Grant

into the nearly empty tanks, the sea water becomes contaminated with oil residue and is usually jettisoned at sea.

Massachusetts Secretary of Environmental Affairs Evelyn Murphy admonished Naess and others for "needlessly wasting our time if we continue to criticize each other," in response to Naess's complaint of undue press emphasis on tanker operator culpability. Dr. Murphy pointed out that four-fifths of all oil spills occur in the delicate ecosystem of shallow coastal waters, and cited

a Woods Hole study of long-term adverse effects of the relatively small 1969 Falmouth spill.

(Please turn to page 3)

Classification may not hurt frats, after all

By Ron Newman

Passage of the Classification Amendment (Question I on the November 7 ballot) should not hurt fraternities, State Representative Barney Frank (D-Back Bay) told *The Tech* last Friday.

Frank stated his intention to file a bill "next January or February" to correct what he calls "a defect" in the Amendment's enabling legislation, which classifies lodging houses as "commercial" rather than "residential" property. Some officers of MIT's Interfraternity Conference are afraid that fraternities could be included in the commercial category since the City of Boston requires them to have lodging licences.

The enabling act, usually referred to as the "shelf bill" since it will take effect only if Question 1 passes, authorizes cities and towns to tax residential property at lower rates than equivalentvalue commercial property. This practice, traditional in Boston

and other large cities, was ruled unconstitutional by the Massachusetts Supreme Court in 1974.

According to Frank, the shelf bill as originally proposed by Boston Mayor Kevin White classified only single-family and owner-occupied houses as residential. "I threatened to stop the whole thing if it didn't also protect renters," Frank remarked. As a result, apartment buildings were added to the residential class, but in the lastminute rush to pass the shelf bill before adjournment, the lodging house exception was left in. Frank said he anticipated little trouble removing the exception.

Interfraternity Conference chairman Joe Chapman '79 said Wednesday that the IFC still was taking no official position on classification. But Chapman also said he now feels that "we should probably try to pass Question 1 and then make sure we're classed

residential."

Mountaineering#6.

LORE & LEGEND

ountaineering' is an oral tradition. Over the years, it has been passed down from teacher to pupil, father to son, package store owner to customer. As a result, a folklore - a mythology, if you will - has formed around the mountains of Busch. You, being a student of mountaineering, no doubt wish to acquaint yourself with these truths and half-truths, these stories both accurate and apocryphal. A wise decision. And, as luck would have it, this ad is just the ticket.

One of mountaineering's earliest legends is Bennington Baxter-Bennington. Adventurer, international bon vivant and inventor of the phrase "your check is in the mail," it was he who perfected the finer points of expedition financing. While other mountaineers resorted to such bizarre extremes as gainful employment, Bennington subsidized assaults on the Busch mountaintop with creative economics. An amalgam of paper schemes, franchised dreams, dunmy corporations and corporate dummies kept him in clover for nigh on 20 a fiscal years. Asked at the culmination of his

> aper schemes, franchised dreams, ummy corporations and corporate ummics kept him in clover."

"Before the evening was over; several of them were bending the slide rules."

career to reflect upon the secret of success, Bennington revealed his first rule: "Keep all your assets liquid."

Another frequent subject of mountaineering lore is the wildlife. Numerous tales abound, but perhaps the most famous story is that of the 1973 Muncie Mathematics Convention. All 75 prodigies, whiz kids and

befuddled geniuses initiated an after hours expedition. It began harmlessly enough. But soon, the Busch mountaineers reached the Mobius Strip, a racy nightspot catering to highbrow hijinks. Before the evening was over, several of them were bending the slide rules. Others were smoking big cigars and telling every woman in sight they were agents with an eye for figures, claiming,

"I can make you a mathematical model, baby." Talk about your wildlife!

But when looking for sheer courage, W. Dexter Poole must rank in lore among the top mountaineers. Fond of saying "The road to truth goes through bad neighborhoods," Poole enjoyed skirting with danger and approached mountaineering as a test of survival skills. In his most famous challenge, Poole, equipped only with 30 waterproof matches and a major credit card parachuted into a remote area known as Cleveland. He was up to the task. Within 24 hours, Poole was basking under the hot sun of Antibes, downing the smooth, cold, refreshing mountains of Busch Beer. A credit to his W

and a colleague on credit.
What becomes a legend most?
That

colleagues

equipped only with 30 waterproc matches and a major credit card, perschuted into a remote area."

is (one) a matter of subjective judgment and (two) in a constant state of flux. Keep in mind legends are created every day. So when you flex your mountaineering muscles, be true to the tradi-

tion. At best, you'll be part of history.
At least, you'll be a near-myth.



Mountaineering is the science and art of drinking Busch. The term originates due to the snowy, icy peaks sported by the label outside and perpetuates due to the cold, naturally refreshing taste inside. The above mountaineers and these scenes of their exploits are legendary, any similarity to actual people, living or dead is purely coincidental.



Head for the mountains.

Don't just reach for a beer.

Sea Grant talk on oil



Panelists discuss the costs of oil tanker safety. (Photo by Joel West) (Continued from page 1)

Murphy declared Massachusetts' intention to enforce its own standards in addition to federal regulations noting that a 1.5 million barrel spill in the George's Bank could mean an eventual

quarter billion-dollar loss to the

Ocean Engineering Professor Jerome Milgram repeated Murphy's criticism of dummy corporations and flags of con-

venience. Observing also that the current \$36 million liability limit

would not begin to cover the \$83 million in direct costs calculated to date as due to the Amoco Cadiz spill, he questioned whether those responsible would even pay the lower figure. Milgram noted the human loss due to tanker accidents, quoting a figure of 226 such deaths for the

American Petroleum Institute

lobbyist James Cole defended the "flags of convenience" by citing an accident which occurred in

broad daylight, involving a tanker of US registry. Cole also asserted that the multiplicity of regulations - both state and federal increase the cost of oil to the consumer, and he proposed a

recodification of federal law that

would pre-empt the jurisdiction of the states. Both Naess and

Rear Admiral William Benkert

felt, however, that the problem is

a truly international one. Benkert, recently retired from the Coast

Guard and his responsibility for

merchant marine safety, also

noted that there was no way to

regulate excellence: the motiva-

tion of tanker owners and crews is

the most important factor in

All the panelists agreed on the

need for safety regulation, the

elimination of unsafe vessels, and

a comprehensive liability in-

surance for major accidents. They

also agreed that progress in these

preventing tanker accidents.

New England economy.

year 1976 alone.

federal and state officials, tanker owners and oil companies appear intent on preventing the reoccurrence of such well-publicized spills and the 1976 Argo Merchant or the 1967 Torrey Canyon, while at the same time tackling the less spectacular problem of operational discharges.

newsroundup

Middle East

Israelis approve peace draft - After three days and 17 hours of debate, the cabinet of Israel approved a slightly revised version of the proposed peace treaty with Egypt Wednesday. The proposal was passed with no opposition, after several amendments by Prime Minister Menachen Begin were inserted.

Campus

Leo Harten wins UMOC — This year's UMOC contest raised \$2,482.73 for the Community Service Fund. Leo Harten led the field with \$1,249.08. The other candidates combined raised almost the same amount.

Mighty Bovine Hunter	\$310.03
Magenta	258.43
Aqualung	190.18
Wolfman	117.12
Beanie	86.93
Steve "The Freak" Feldman	55.35
Pro-Musica Ugly	51.81
Unknown Preppie	25.18
Tony Carpentieri	12.75
Bob Resnick	8.70
Write-Ins (total)	117.17

— Jay Glass

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areas was not as rapid as it could be, though none agreed as to who was at fault. However, under the threat of unilateral action by

Bagels & Lox Brunch

October 29, 11:00 am; Bush Room, 10-105.

Speaker: Dr. Dov Friedlander

Noted Israeli Clinical Psychologist, Hebrew University

Topic: Aliyah and its Psychological Pitfalls

\$1.50 Hillel members

\$2.00 non-members

opinion

Who'll be President after Jerry's gone?

By Bob Wasserman

The time for choosing a successor to MIT President Jerome B. Wiesner may be soon at hand. Dr. Wiesner, who has served as President since 1971, is currently spending much of his time raising funds for the Leadership Campaign. But this drive is slated to end in 1980, and Wiesner himself is nearing sixty-five years of age, so his retirement may be announced in the near future.

The most evident choice to succeed Wiesner is Chancellor Paul Gray. Gray has played a large part in running the Institute since becoming Chancellor, and last spring he even took over the main administrative duties of MIT while Wiesner worked on the Leadership Campaign. Gray has spent much of his administrative career at MIT, as well as being an MIT undergraduate many years ago, and has MIT crimson-andgray flowing in his veins. This loyalty may count against him if considered for President; though, for as an MIT administrator he has not had the time to gain the recognition as a scientific figure and authority that is often required of the position. Gray assumed his post concurrently with Wiesner in 1971 after serving as Assistant Provost to Wiesner's Provost, and it would seem that these two are a 'package deal' when it comes to MIT administration.

A new candidate for MIT's next President has recently arrived in the person of Dr. Robert Seamans, Dean of the School of Engineering.

something

Seamans received graduate degrees from MIT before World War II, and was on the faculty here from 1941-55. Seamans than left for Washington to work in NASA, serve as Secretary

of the Air Force, and finally as the administrator of the US Energy Research and Development Administration. Though Seamans' experience at MIT administration is not currently substantial enough, his management skills and scientific reputation could give him an outside chance to become President.

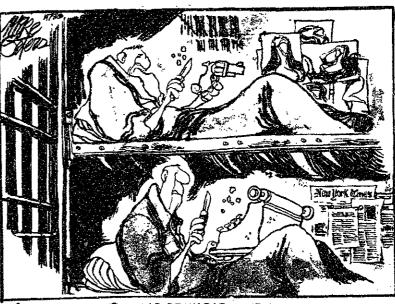
Wiesner was National Science Advisor to President Kennedy before returning to be MIT's Provost and later President, and, sure enough, another MIT man is currently Science Advisor to the President, Dr. Frank Press. Press left for Washington last year, after heading the Department of Earth and Planetary Sciences at MIT. From Presidential Science Advisor to MIT President has been a familiar route before, traveled by both Wiesner and James R. Killian. Press, like Seamans, may need more experience at MIT administration, but his national scientific renown makes him an attractive candidate for MIT's top

Prospects for a new president also are available in the inner circles of MIT's administration. Provost Walter Rosenblith is a noted scientist in bio-electrical engineering, and a former Chairman of the MIT Faculty. but he is over sixty-five and this might discourage his selection. Assistant Provost Hartley Rogers is a possibility, but only for the future. Kenneth Wadleigh, Dean of the Graduate School, is a long-time MIT man, serving on the faculty, as a Vice President, and for eight years as Dean for Student Affairs. Wadleigh is a leading candidate due to this experience and his varied administrative positions, and could succeed Wiesner if the MIT Corporation wants a manager rather than somewone with a famous scientific career. Long shots for the Presidency include William Pounds, Dean of the Sloan School-of Management, and John Deutch, former Head of the Chemistry Department and now Director of Energy Research in the US Department of Energy.

The selection of MIT Presidents is not always predictable, though, as in the case of Howard Johnson, Wiesner's predecessor and now Chairman of the MIT Corporation. Johnson was chosen to be President in 1965, after only ten years at the Institute, rising to that post from Associate Professor through Dean of the Sloan School of Management. No one was more surprized than Johnson himself, however, for he had resigned as Dean of Sloan only a week before his selection and had actually moved to Cincinnati, all ready to begin his duties as Vice-President of Federated Department Stores.

Speculation on MIT's next President is a delicate matter; the real decision will depend on the mood and deliberations of the MIT Corporation. And who knows, with the US Congress extending the minimum mandatory retirement age to seventy, Jerry Wiesner may be around until we all graduate.

by Kent C. Massey Paul Hubbard I'll hit you at 7% rad with a trajectory of 22 m/s Alright Pulwalshings out for a pass. Line up tight at 0.321 rad. left, run 10 meters and right with a 2 mater Wart a second, the trajectory has to be at



YA'KNOW KIP. THINGS COULD BE WORSE - WE COULD HAVE BEEN STUCK IN HERE WITH A REPORTER ...

By Sheryl Strothers, B. Courtney McBath, and Rocklyn Clarke Editor's note: Sheryl Strothers,

B. Courtney McBath, and Rocklyn Clarke are members of the MIT

Black Student Union. Reactions to the South African protest at MIT are starting to take on a disturbing shape. Exactly one year after the Grogo incident in which Arthur Hu denounced ethnicity, he is on the scene again with another irrational, reactionary article. This time he makes an unacceptable claim to be the spokesman for South African people. Instead of well-constructed, factually supported critiques of a situation that deserves careful analysis, the MIT community is affronted with a contradictory, ill-supported arti-

Hu says that hunger, poverty and discrimination should be stopped, but he offers no

"constructive solutions." He implies that oppressed people should count on

the moral consciousness of their oppressors for "salvation." This has never occurred in any era. The ending of slavery in the United States did not result in "instant riches" for American Africans but we have made progress. Freedom is rich in itself; no one can expect to prosper without freedom. Hu correctly states that the situation of American Africans is not satisfactory. However, he implies that we would have been better off under slavery — a morally offensive and illogical implication, that cannot be taken as the basis for defending apartheid. More progress could have been achieved if Jim Crow had not been instituted after the Emancipation Proclamation. Hu makes an incomplete analogy of American Indian reservations to South African Bantustans (homelands). He neglects to mention the genocide committed against the Indians. Does he advocate genocide for South Africans?

Although Hu correctly pointed out that South African profession sionals do exist, they are classified } by the government as unskilled labor, and their skills, acquired in classes taught in a hybrid European language, are essentially, wasted (the ratio of black professionals to white professionals should be seven and a half to one. in proportion to the population). Higher education of South Africans is usually sponsored by European missionaries but South African professionals receive lower pay than their Boer counterparts.

Although it may be "normal" for the US firms to set up opera-

tions in industrialized countries. the fact that US firms take no particular joy in the oppression of blacks does not relieve them of the guilt of complicity. The Boer economy and way of life is geared for war. European men and women often carry firearms and are required to learn to shoot. The government has the right to nationalize all capital for the purposes of warfare. The US supplies enriched uranium to South Africa, a nuclear power that has expressed willingness to use nuclear weapons in a time of "distress." Opel, in addition to relatively innocuous passenger cars, produces some of the best jeeps and war vehicles in the world. Polaroid pass/ID are coordinated with IBM computers to limit the mobility of black people and maintain apartheid. Contrary to Hu's fallacious state-

capacity for survival. Whit ment. no black nation depends

minority ruled Rhodesia depend heavily upon South Africa fo survival because of the repeate-UN sanctioned economi boycott. South Africa's industria capacity is racist, no "democratic;" the government i definitely not supportive of black aspirations, spiritual o

Even on strictly moral grounds MIT should divest itself of cor porations that operate in South Africa. As a leading educationa institution, it should serve as as example to US businesses. The South African government is "firmly entrenched" not because of its inherent virtues, but because it is being propped up by US capital and an exploitative socia system. "Money talks;" express ing one's opinion economically will be the only way of effectively informing corporations that are unmoved by moral suasion. The corporations of this nation do no constitute its lifeblood. Corpora tions are arbitrary legal creation: that seek to increase their profi

(Please turn to page 6)

upon South African industrial

Divestment and practicalit

To the Editor:

I would like to respond to Arthur Hu's recent editorial on South African divestment. He finds good in the corporations involved, and recalls worse injustices in history. This he feels justifies economic cooperation.

Divestment is not throwing away money, it only pressures the conglomerates to cease trade with the apartheid government. MIT's funds would be re-invested in more noble endeavors. A conscientious person should consider the by-products of any purchase or investment. If not, economic flows would be dictated simply by maximizing immediate profits, without concern for morality. Money and technology have no scruples and must be directed by the conscience of those controlling it — that means us.

Thinking practically, blacks can be seen to derive some benefit

from US involvement. With as already cruel world, why alienat the South African government But practicality tells me minority racist government won last much longer. I prefer not to alienate the majority, hoping to help establish a fair and stabl regime.

Some prossure must be put of a government that holds firmly to its racist policies. Divestment i not the solution, but a beginning of making the ruling whites fee the debts they owe the oppresse majority.

Stephen Trapp '7 Editor's note: "Perspectives" i a series of commentaries, writte by members of the MIT com munity, about issues the individua authors feel are significant. Th opinion expressed in each "Perspectives" is that of th author, and does not necessarily reflect the views of The Tech.



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Paulsen lecture: fluctuating humor

By Stephanie Pollack

Pat Paulsen's LSC sponsored appearance Tuesday night was indeed a "lecture in humor" — both the kind that works and the kind that doesn't. The quality of the comedy in Paulsen's hour routine ranged from very good to old, overused puns.

The basic premise of the evening was a review of world history with respect to comedy. At the start, Paulsen referred to humor as "the glue that has held mankind together from the beginning — there is so much of it, however, that I can only offer you a sniff." He then proceeded to parallel the major historical periods from the time of the cavemen to the present, but relating all of the major historical events to humor.

For example, the bubonic plague was referred to as the origin of the sick joke, and the founding of the United States was a "practical joke.

In general, this was the funniest part of the evening. At one point, Paulsen put a sweat sock on his hand and proceeded to speak to his "Thomas Jefferson hand puppet." Later, as he was playing guitar, he suddenly noticed the Kresge organ and commented, "I think the building has cancer."

After his review of comedic history, Paulsen launched into a typical comedy routine, consisting mostly of political humor. Paulsen ran for President in 1968 and 1972, and some of the material seemed to go back that far. How long can a comedian harp on Watergate and Jerry Ford's klutziness?

The audience seemed to be enjoying the performance. Numerous times, especially during the more impromptu sections, Paulsen's performance was interrupted by applause. Many of the students who attended, however, were somewhat disappointed by the advertised "film outtakes never before seen due to censorship."

They turned out to be a few minutes of ethnic jokes (done in blackface) that had been censored from a Merv Griffin show. Short though they were, the jokes were fun-

At Paulsen's supposedly trance-induced urging, the evening ended with a standing ovation. It was an overenthusiastic ending to an evening of enjoyable, but uneven,



Pat Paulsen (Photo by Gordon Haff)

H&H handle Creation adequately By Joel West

The Handel and Haydn Society opened their 164th season last Friday with a performance of the Haydn Creation. H & H, best known for its annual Christmastide Messiah, is presenting a fairly conservative program this year, perhaps to justify the professional ticket prices for their amateur productions.

Haydn composed the oratorio The Creation in 1797, combining his success with comic opera with his impression of Handel's oratorios. The work was well received at its debut in Vienna the next year: the combination of vocal virtuosity with the grandeur of its choral writing pleased both those seeking secular and religious enjoyment.

Of the soloists, soprano Linda Zoghby clearly stole the show, not only from her two male colleagues, but also from the 160odd other people on the stage. Never really pushed to its upper limit, her warm voice filled the hall throughout the performance; she alone of the soloists seemed to understand the concept of ornamentation, executing it in a fashion that must have been quite common in Haydn's day, though without ever losing control of her voice.

Her aria "Auf starkem Fittige" during The Fifth Day was one of the highlights of the evening.

Bass Michael Burt, a former research chemist, gave a spotty performance. His early secco recitative was of dubious intonation, and his voice never matched the power of Zoghby's in the louder passages. However, the two gave a delightful performance of the lengthy final duet, "Der tauende Morgen." Accompanied, Burt was excellent in the aria, "Gleich öffnet sic der Erde" in The Sixth Day. Tenor Charles Bressler, although expressive enough in quiet passages, was unable to project in any section louder than mf. Both men suffered from their inexplicable placement at the rear of the stage, with the chorus, which contrasts with the Boston Symphony Orchestra (BSO)'s policy of placing vocal soloists at the front of the stage.

The 108-member chorus was amazingly gentle in the soft passages, and maintained an excellent balance throughout the work. However, few soprano sections could share the stage with Zoghby and escape the comparison favorably; their shrillness on the upper end detracted in certain passages, though it was perhaps less noticeable than

in some other large choruses locally. The alto and tenor sections were quite good, the basses somewhat weaker.

In response to Thomas Dunn's gyrations, the orchestra produced a performance that was musically satisfying, though riddled with technical flaws. All in all, H & H gave what would be considered a good performance for an amateur group; however, at ticket prices that are often greater than the BSO's for a comparable seat, most concert goers had a right to feel cheated last Friday. For those students who have a passion for the large choral works of Bach, Handel, or Haydn, other amateur groups, such as the MIT Choral Society or the Harvard University Choir, do an equally credible job at a far more reasonable price. For those that must see the H & H, however, student rush tickets are available after 5pm on the day of the performance, priced at \$3, \$4 and \$5 each (ID required).

Acting in repertory

By Murray Biggs

Editor's note: Murray Biggs is the Director of the Shakespeare Ensemble.

This weekend the Shakespeare Ensemble is trying something new. We're offering two plays instead of one. Much Ado runs Thursday, Saturday, and Monday; Romeo and Juliet Friday, Sunday, and Tuesday; both at 7:45pm in the Sala.

The idea of repertory acting isn't new in the Ensemble. We have quite a large stock of scenes from many different plays by Shakespeare (and some other playwrights). which get performed fairly often both on campus and off. Most of our actors stay with us at least two or three years and so accumulate scenes; one has as many as 19 in her repertoire right now. So over a period of time the same actor develops, and grows in, a wide range of roles.

Now we've extended this repertory idea to full-length productions. The two plays involve 24 actors, of whom 10 are in both. This is a unique opportunity and challenge for student actors. It's made possible only by the Ensemble's longterm membership policy. Romeo and Juliet was developed and first performed last spring, but only

three of its cast have graduated, and two of Meanwhile the rest of the cast seem to have our strongest production to date. Much Ado is cast entirely from current students. It's always enjoyable to do Shakespeare, but especially exciting to be doing two plays at once.

Romeo and Juliet has been a particularly rewarding production to work on. It's not easy to deal with the world's most famous love story (and all the clichés that. implies), especially with Zeffirelli's movie version in the background. The biggest problem (which Zeffirelli didn't solve) is to find a pair of actors young enough to look right, and old enough to handle Shakespeare's language. The Shakespeare Ensemble is lucky to have found Tom Stefanick G and Dorian Jankowski '80 to give us the best of both. Each of them has played romantic leads for the Ensemble before, and they're paired in our scene from Tennessee Williams's Glass Menagerie. When they're through, they will have played Shakespeare's lovers 14 times over 7 months.

MIT Dramashon announces auditions for its second fall performance. Casting and technical crew signups will be held Mon., Oct. 30, at 7:30pm in the Kresge Little Theatre. The play, directed by Dramashop leader Bob Scanlan, will be performed Nov. 16, 17, and 18. For information call the Drama office at x3-2908.

Death of a Salesman, presented by the MIT Community Players in Kresge Little. Theatre, Oct. 27 & 28 at 8pm, with a matinee Oct. 28 at 3pm. Tickets \$3.50 at the door, \$3 in advance. For information call: x 3-4720.

Much Ado About Nothing and Romeo and Juliet will be performed by the MIT Shakespeare Ensemble. Much Ado will run on Oct. 26, 28 & 30; Romeo and Juliet will run on Oct. 27, 29 & 31. On Thurs., Sun, Mon., and Tues. all seats cost \$2. On Fri. and Sat. seats cost \$3.50 and \$4, with a \$1 student discount. Tickets are available at the door or in Lobby 10. All performances begin at 7:45pm in the Sala. For information call 253-2903.

Zorba, presented by the Musical Theatre Guild in Kresge, Performances are: Fri. & Sat., Nov. 3, 4, 10, & 11 at 8pm, tickets \$4 (\$3.50 with MIT ID); Sun., Nov. 5 at 3pm and Thurs., Nov. 9 at 8pm, tickets \$3.50 (\$2 with MIT ID.) For information call: 253-6294.

AT THE MOVIES

Psycho The MidNite Movie, Sat., Oct. 28, second floor of the Student Center. This weekend's LSC lineup:

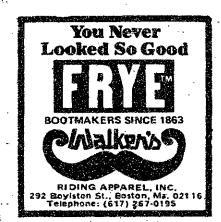
Sleuth Fri., 7 & 10pm, 26-100. Holiday (Classic) Fri., 7:30 in 10-250. Vincent Price Double Feature: The Raven, 6 & 9:20pm; Comedy of Terrors, 7:40 & 11pm; Sat. in 26-100.

The King and I., 6:30 & 9pm, 26-100.

IN TOWN

Al Stewart at the Music Hall, Sun., Nov. 5 at 8pm, tickets \$8.50 & \$7.50. Boston at Boston Garden, Mon., Nov. 6

at 8pm, tickets \$10, \$8.50 & \$7.50. Weather Report at the Orpheum, Sat., Nov. 11 at 8pm, tickets \$8.50 & \$7.50.



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Opinion cont.

A response to MIT in S.Africa

(Continued from page 4).

margins; they stand for goods. MIT can easily invest in other businesses and make earnings to "benefit" the students. True, to say that the bulk of this money is "paid for" by the misery of thousands is a gross distortion. Millions are miserable. Divestment need not hurt MIT.

If Jimmy Carter can "run around screaming about human rights in the USSR, Cuba, Uganda, Chile, like a chicken with its head cut off," why should we single out South Africa to leave alone? South Africans need more jobs, however, black workers are paid starvation wages, are denied access to unions: they are even denied the basic right to be with their families. The unemployment issue does not address the question of pass laws, voting, and the general issue of apartheid.

Sports cont.

Soccer rolls Tufts to a tie

By Dennis Smith

MIT battled Tufts to a tie Tuesday in a game controlled generally by an inspired Tufts team. Playing on Tufts' home field, MIT fought through regulation time and then through twenty minutes of overtime before coming away with the scoreless tie.

Early in the first half, it looked as though MIT might control this game the way they have controlled most of their games this season. The play was predominantly in the Tufts end of the field, and MIT passing looked strong, especially between senior midfielders Luigi Boza and Rob Currier.

Toward the end of the half, however, the Tufts team seemed to turn around. They began to beat MIT to the ball and toughen up on defense, shifting the momentum in their favor. The first half overall appeared to be roughly even, with dangerous pressure on both sides, but only one serious scoring threat — a curving Tufts shot that MIT goalie Tom Smith '79 played superbly, saving a sure goal.

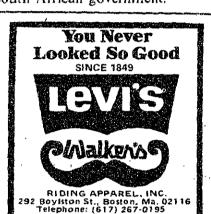
Both teams threatened to break it open in the second half, each playing very intensely, although Tufts had a slight edge. Al Strong '80, Tim Meixsell '80, and Jim Atwood '79 came off the bench to give fine aggressive performances in the second half, while Boza, Currier and the defense continued to play very well.

Overtime saw more of the same aggressive play on both sides, but failure to score in every instance. Bob Sullivan '79 saved the game early in overtime with an alert clear of a Tufts shot that had bounced off the goalpost and out in front into heavy traffic.

With a few exceptions, MIT seemed to lack solid ball control, and many loose balls were gathered in by the hustling Tufts players. Tufts is a young and fast team, and much better than their 1-6-2 record would suggest. Many of their losses have been in overtime against very good teams, and they have yet to play a weak team.

For MIT, Tom Smith played well, making 14 saves to preserve the tie, and MIT pushed its record to 6-3-1 with three games to go. Varsity Soccer continues its drive toward a post-season tournament Saturday against Colby.

Racism is irrational, so how can an orderly incorporation of blacks be possible in South Africa? Also, Hu states that "the last thing the blacks is a 'democratic "...people's government;" who is he to serve as a spokesman for the needs of South African black people? He also says that "by and large, South African blacks want the United States to stay." From where did he obtain this erroneous datum? Did he take a poll of South Africans? Earlier in his article, he states that US corporations have no right "to dic-. tate to the host government," yet at its conclusion, he asserts that they can serve as a positive influence. Arthur Hu's article bases its premises on fallacious, unsupported statements, and fails to reveal the important parallels between slavery in the United States and the oppression of black poor in Southern Africa. He would leave the freedom of an enslaved people up to the chairmen of corporate boards. The only impetus from withdrawing from South Africa that corporations would respond to is economic; MIT has a moral obligation to divest itself of corporations that help support the South African government.



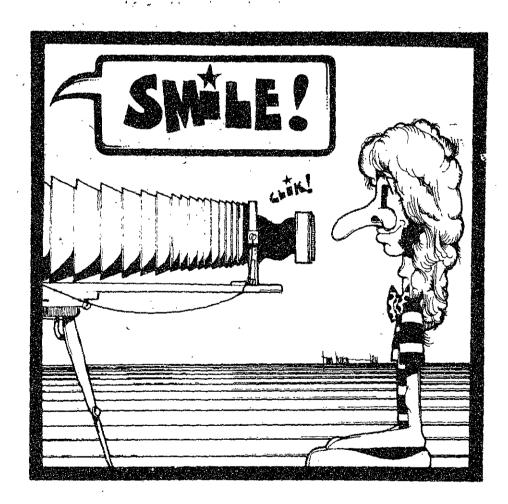
How would Freud relate to O'Keefe?

Cold. Yet warming.

Hearty, full-bodied flavor. Yet smooth and easy going down.
And, O'Keefe develops a big head on contact...
'Conflict. Conflict. Trauma. Trauma. Freud's diagnosis?
We think he would have said, "It's too good to golp." And you will, too.



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sports

Women's rugby offense shines

By Connie Cotton

Editor's note: Connie Cotton is a member of the MIT Women's Rugby Club.

The MIT Women's Rugby Club raised its season record to 4-0-1 by defeating Yale 16-4 in New Haven last Saturday.

MIT kicked off to Yale but soon regained possession of the ball and carried it deep into Yale territory before the ball was kicked out of bounds. MIT won the ball from the resulting lineout and in an excellent running and passing attack executed by the backs, out-half Connie Cepko G crossed the goal line for MIT's first score of the day.

The Tech ruggers were deep in Yale territory once more when a half of the game. In a five-yard

penalty against Yale provided MIT's second chance for a goal. The backs again passed well, sending the ball out to Susan Stulz '80 who employed her speed and maneuverability to elude Yale defenders and down the ball in the end zone.

The MIT forwards then moved into the scoring spotlight when they blocked a Yale goal-line kick and hooker Connie Cotton grabbed the loose ball and dived across the line to give Tech a 12-0 lead. Yale was awarded a questionable try in the last minute of the first half making the halftime score 12-4 in favor of MIT.

The Tech pack was responsible for the only score in the second.

scrum at the Yale goal-line, the MIT forwards drove across the goal-line while keeping the ball in the scrum, and wing-forward Kay Currier touched it down.

The MIT forwards demonstrated a marked improvement in their abilities to dominate scrum downs and exercise more control of the ball in rucks and mauls. Laura Clemens G at number eight played an excellent, aggressive game against Yale. Sharon Gardner '79, moved from her usual position on the wing to inside-center, also played well, demonstrating good ball handling and an impressive punting attack

The Tech women ruggers travel to Connecticut October 28 for a game against the Hartford Wild Rose.

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Women's cross country sloshes to a victory

By Mark Pickrell

Undaunted by inclement weather and a treacherous, wooded course, the MIT Women's Cross-Country Club blazed to a stunning victory over Fitchburg State last Saturday.

The team was in a weakened state due to the absence of the club's fastest and most experienced runner, Leslie Chow '79, who, nursing a stress fracture, was relegated to swimming therapy.

Although last Saturday was the first dual meet for MIT's squad, the first, third, fifth, sixth, and seventh places were captured by -Elena Rozier '82, Maggie Flanagan '79, Debbie Abbott '79,

Barbara Messinger '81, and Joan Suttcliffe G, respectively.

The impressive win was due to the great coaching and inspiration of Professor William Brace. His dedication was responsible for unleashing the potential of the highly promising but inexperienced squad. If this meet is any indication of things to come, the club ought to whip Brandeis next Saturday.

The season ends with the Brandels meet, but members of the team plan to continue with winter track. Any MIT affiliated women interested in running are urged to call Leslie Chow or Maggie Flanagan at 262-6844.

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Open Hearings on **Graduate Student Concerns**

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LAWRENCE LIVERMORE LABORATORY

THE UA NEWS

At the General Assembly last night, an Undergraduate Association Social Committee was initiated.

If any of you freshmen were not able to meet your entire class at the picnic, you have a chance this Friday, Oct. 27 at 9pm to meet other classmates at an

ALL-FRESHMAN MIXER

in Baker Dining Hall. Admission is free to all freshmen (bring your ID), as are beer and munchies.

Also in the future, undergraduates and faculty are encouraged to attend the second Wednesday Afternoon Social Hour, Nov. 15 at 4pm in the Mezz. Lounge. Food and drink will help to stimulate this informal gathering.

ALL TECH TALENT SHOW

A program scheduled for Friday, Nov. 17 at 7:30pm in room 26-100 is being planned and sponsored by the classes at MIT. Watch The forms and Tech for entry announcements.

Nominations Committee Hearings Monday Oct. 30, 1978

7:00pm Community Service Fund Board

This committee provides financial assistance to MIT people who are engaged in volunteer community service and action projects. The Board performs two key functions: 1) solicits contributions from all members of the MIT community and donations from outside sources; and 2) reviews proposals by Institute groups for the use of funds on MIT-related community service projects.

7:30pm Committee on Undergraduate Admissions and Financial Aid

The Committee is responsible for formulating and reviewing policies on admission of all undergraduate students and on financial aid to students.

Interested students are encouraged to attend the NomComm hearings on Monday evening.

For comments, questions, or suggestions relating to the UA contact Barry Newman or Tim Morgenthaler at x3-2696.

GET INVOLVED NOW!

sports

The MIT women's gight rows strengously in last Sunday's Head

The MIT women's eight rows strenuously in last Sunday's Head of the Charles Regatta. The women went on to finish fifth. (Photo by Chuck Irwin)

F. hockey improves

By Rich Auchus

A fine effort by goalie Lisa Richardson '82 and an effective offensive attack produced a 7-0 shutout for the MIT women's field hockey team. Tech's offense went right to work and blitzed Pine Manor for four goals within the first 15 minutes. Emmy Behlau '82 struck first, and Sue Flint '81 quickly followed with one of her own, Diane Ozelius '79 added a goal on a corner hit, and Behlau topped off the rally with her second score of the afternoon.

Pine Manor retaliated, and the remainder of the half was played mostly in MIT territory. Goalie Richardson, however, frustrated all of Pine Manor's scoring attempts with superb goalkeeping, including numerous one-on-one and corner hit saves.

sporting notices

There will be a pregame picnic and rally for the MIT grid-men on Amherst Alley tomorrow starting at 11am. There will be bar-b-q grills and FREE BEER! The game vs. Siena follows at 1:30pm. Please do not bring beer onto Briggs Field.

The next Intramural Council meeting will be Tuesday, October 31, in room 4-149, at 8:00pm. Elections for pool, softball, squash, table tennis, and water polo will be held.

In the second half, Julie Neuringer '81 capitalized on a fast break pass from Ozelius and bounced a shot off the Pine Manor goalie's foot and just barely inside the net. Ozelius followed with her second corner hit goal, a ricochet off an opponent's stick. Seizing the opportunity of another fast break, Enora Kunice '80 slipped in the final score of the day.

Ozelius gave another fine performance, scoring two goals and assisting on a third. Behlau also cashed in twice, and Kunice, not a starter, came through with the final goal. Richardson made perhaps fifteen saves, keeping her cool and clearing the ball amidst heavy traffic. While a substantial portion of the game was played in the MIT end of the field, the defense held strong and managed to clear the ball. Moreover, they did not waste any opportunities and scored on almost every shot on goal. Coach Deborah Clum commented that the team controlled the ball very well and did not pass it away. "The team has really come together, but it's taken a long time," she said. "The upper classwomen have worked hard for a long time. . . . This year it's pay-

The squad is now 4-5 with one game to play. They meet Endicott on Tuesday at 4pm for a shot at their first .500 season ever. Tech lost to Endicott, 2-1 earlier in the season, but the Beavers are flying high and ready to get revenge.

foul shots

By Tom Curtis

Put on your raccoon coat and dust off your pennant.

Homecoming is tomorrow! Intercollegiate football is back at MIT and the team is back in town for its only home game of the season.

A few years ago, the thought of a homecoming football game was sheer fantasy for most people. As late as 1976, Glenn Brownstein wrote in *The Tech*:

"At precisely 1:30 on a given football weekend, MIT's appointed gladiators, culled from the 'jock frats' and some of the more athletic dorm residents, would jog onto the field in their cardinal and gray uniforms, topped with the traditional toothy red 'Brass Rat' beaver on it. The marching band could be an enlarged, improved version of LCA's current troupe that 'performs' at A-league football games.... On Homecoming Day... the Ugliest Man on Campus (UMOC) rides into the stadium on a chariot, wearing the 'Homecoming Queen' crown."

Brownstein's fantasy is now coming true. At 1:30 tomorrow, MIT's club football team will take the field in Steinbrenner Stadium in its orange and white uniforms (a close approximation to cardinal and gray.) There will even be a marching band (although it will not march.) Regarding Brownstein's last comment, we all know what has been happening this week. . . .

The football club plans to put on a show for the fans. In its last few games, the offense has been opening up with more play action passes. Since th Fitchburg game, the offense has continually piled up 200 or more yards per game. The team has scored two touchdowns in three of its four games.

The defense has been steadily improving. If MIT should be leading at the beginning of the fourth quarter, remember this: no team has scored on the MIT defense since the opening game.

The homecoming foe is Sienna College of New York, a fellow member of the Colonial Football League. Sienna is 2-2 overall and 1-2 in the league. MIT is 0-4 overall and 0-2 in the league. Earlier in the season Sienna was ranked as one of the top 20 club football teams. MIT and Sienna met in a pre-season scrimmage which MIT appeared to dominate.

Sienna is more MIT's caliber than some of the other teams the Beavers have played. Brooklyn College and Massachusetts Maritime were both NCAA Division III schools.

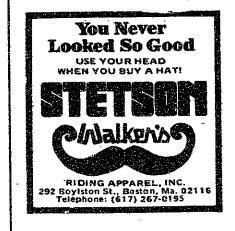
If the weather is good, watching the homecoming football game could be an enjoyable way to spend a Saturday afternoon. So come out and cheer for the team! ANY U.S. BOOK IN PRINT ORDERED BY PHONE DELIVERED PROMPTLY TO YOUR HOME OR OFFICE

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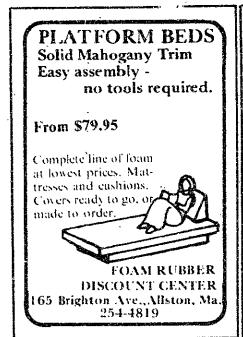
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If you are a registered voter in Cambridge and you want to earn \$14 counting ballots from 8pm until the ballot count is completed the night of November 7, call Sandy Scheir 876-6784 after 6pm.

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ZETA PSI Rush Party

Come meet the members of MIT's newest fraternity, this Friday before you go out for the evening. The refreshment's on us.

Friday, Oct. 27 4 — 7:30 P.M. Rm. 473 Student Center

